

(19)



JAPANESE PATENT OFFICE

PATENT ABSTRACTS OF JAPAN

(11) Publication number: 06121468 A

(43) Date of publication of application: 28.04.94

(51) Int. Cl

H02J 7/10
H01M 10/44
H02M 7/06

(21) Application number: 04293693

(22) Date of filing: 07.10.92

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(54) METHOD FOR CHARGING SECONDARY BATTERY

(57) Abstract:

PURPOSE: To secure enough quantity of charge by proceeding with the charge by changing a charge current when the open voltage of a secondary battery exceeds a reference voltage.

CONSTITUTION: A secondary battery is charged with a charge current 5C, and when the open voltage of the secondary battery exceeds a reference voltage 5P, it is changed over to a charge current 3C, and when it exceeds a reference voltage 3P, the charge current is changed over to 2C, and when it exceeds a reference voltage 2P, the charge current is changed over to 1C. Hereby, it can be charged without wasting energy. What is more, since each reference voltage 5P, 3P, and 2P is set to the changing point of battery temperature corresponding to each charge current 3C, 2C, and 1C, the temperature rise is also suppressed to about 10deg. Hereby, the temperature rise of the secondary battery and the generation of gas are suppressed, whereby enough quantity of charge can be secured.

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